

3 of 5 JUN 26 RECD 193814

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800
Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 6/23/06 Serial # 10/657,867 Priority Application Date 9/19/02
Your Name Michewis Examiner # 73172
AU 2822 Phone 202-1838 Room 5A30
In what format would you like your results? Paper is the default. PAPER DISK EMAIL
If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB
Other: Need before 7/3

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs ☒ Nonpatent Literature ☐ Teaching Refs ☐
Secondary Refs ☒ Foreign Patents ☐ Other ☐Is this a "Fast & Focused Search" request? (Circle One) YES NOA "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-patr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 21-28
Opiter TransistorProblem: see pages 1-2
Solution: " " 2-5US 2002/0058388 5,183,968
2004/023526 5,023,197

Staff Use Only

Searcher: L. Backlund

Searcher Phone: _____

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 6/26/06Date Completed: 6/26/06Searcher Prep/Rev Time: 70Online Time: 170

Type of Search

Structure (#) _____

Bibliographic ☒Litigation ☐Fulltext ☒Patent Family ☒Other ALLB/F CITATION

Vendors

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*File 305: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200640
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*File 350: Preview the enhanced DWPI through ONTAP DWPI (File 280).
For more information, visit <http://www.dialog.com/dwpi/>.

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)
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File 344:Chinese Patents Abs Jan 1985-2006/Jan
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*File 371: This file is not currently updating. The last update is 200209.

File 23:CSA Technology Research Database 1963-2006/Jun
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File 987:TULSA (Petroleum Abs) 1965-2006/May W4
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*File 987: File 987 has been reloaded. Accession numbers have changed.

Set	Items	Description
S1	24893	AU=(PARK, K? OR PARK K?)
S2	13691	AU=(YANG, B? OR YANG B?)
S3	38567	S1:S2
S4	54	S3 AND (BIPOLAR OR BI()POLAR) (2N) TRANSISTOR? ?
S5	9	S4 AND IC=(H01L-021/331 OR H01L-029/10 OR H01L-029/737 OR - H01L-021/265 OR H01L-021/336)
S6	9	RD (unique items)
S7	45	S4 NOT S5
S8	4	S7 AND ((COLLECTOR? ? OR SIC) (2N) (REGION? ? OR AREA? ?) OR SIC OR ION() IMPLANT? () COLLECTOR? ? OR ION(1W) (IMPLANT? OR COL- LECTOR? ?))
S9	2	RD (unique items)

S10 107675 (BIPOLAR OR BI() POLAR) (2N) TRANSISTOR? ?
 S11 386232 SEMICONDUCT? (2N) (SUBSTRAT? OR SURFACE? OR BASE? OR SUBSTRU-
 CT? OR UNDERSTRUCT? OR UNDERLAY? OR FOUNDATION? OR PANE? OR D-
 ISK? OR DISC? OR WAFER? OR CC=(A6855 OR A8115 OR B0520 OR B25-
 70) OR MC=(T03-A01B OR T03-A01B1) OR IC=G11B-005/704)
 S12 98924 (FIRST OR ONE OR SECOND OR DUAL OR DOUBLE OR TYPE? ?) (2N) C-
 ONDUCTIV?
 S13 72470 IC=(H01L-021/331 OR H01L-029/10 OR H01L-029/737 OR H01L-02-
 1/265 OR H01L-021/336)
 S14 498221 (COLLECTOR? ? OR SIC) (2N) (REGION? ? OR AREA? ?) OR SIC OR -
 ION() IMPLANT? () COLLECTOR? ? OR ION(1W) (IMPLANT? OR COLLECTOR?
 ?)
 S15 31741 ISOLAT? (2N) (REGION? ? OR AREA? ?)
 S16 482879 SILICON() GERMANIUM OR SIGE OR (SILICON OR SI OR SILICA) (2N-
) (LAYER? ? OR FILM? ? OR COAT? ?)
 S17 18054 EMITTER? ? (2N) (REGION? ? OR ELECTRODE? ?)
 S18 6814 OHMIC(2N) (LAYER? ? OR COAT? ? OR FILM? ?)
 S19 6792 S10 AND S11
 S20 1181 S19 AND S12
 S21 520 S20 AND S13
 S22 247 S21 AND S14
 S23 30 S22 AND S15
 S24 12 S23 AND S16
 S25 12 RD (unique items)
 S26 18 S23 NOT S24
 S27 18 RD (unique items)
 S28 13 S27 AND S17
 S29 5 S27 NOT S28
 S30 5 RD (unique items)
 S31 217 S22 NOT S23
 S32 0 S31 AND S18

Query/Command : HIS

File : PLUSPAT

SS Results

1	2	(1) ..FAM US20040126979/PN
2	1	..CITF US20040126979/PN
3	1	..CITB US20040126979/PN
4	1	US5183768/PN
5	19	..CITF US5183768/PN
6	5	..CITB US5183768/PN
7	4	(1) ..FAM US5023197/PN
8	11	..CITF US5023197/PN
9	11	..CITB US5023197/PN

← Family & citation
← search
←

Search statement 10